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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

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(21) Application number: 2000007587

(71) Applicant: **TOYOTA MOTOR CORP**

(22) Date of filing: 17.01.00

(72) Inventor: **SATO AKEMI**
KANAZAWA TAKAAKI

(54) CATALYST FOR OXIDATION REDUCTION

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a catalyst which enables an efficient purification of HC, CO and NOx in a low to high temperature region, exhibiting particularly a high NOx-purification activity in the low temperature region.

SOLUTION: Pd and an alkylene earth metal are carried on an oxide having an oxygen-occluding/releasing function. By carrying Pb and the alkaline earth metal, NOx-purification activity in a low temperature region is improved, although its reason therefore remains. If an alkali metal is carried, such an effect can not be attained.

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